

# Purchase Order Receipt Listing

Wednesday, March 02, 2016 10:39:57 AM

All amounts are calculated in domestic currency.

All Vendors PO ID PO31522 All Receipt Dates All Line Item Types  
All Item ID/GL/VOs All Rec. Employees All Currencies  
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M/ Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MIRB Qty/ MIRB Reject Qty	Book Amt
Vendor ID \ Vendor Name VC-COP004 Thyssenkrupp Materials CA Ltd											
PO31522	1		M6061T6S.063 sf		3/4/2016	3/2/2016	96.0000	\$2.15	0.0000	0	\$206.55
CAD	No		6061-T6 .063 Sheet sf m134377		96.0000	PLOU01		\$206.55	0.0000	0	
	2		M6061T6B2.000X05. f		3/4/2016	3/2/2016	12.0000	\$19.54	0.0000	0	\$234.45
	No		000 6061T6 Bar 2.00 x f 5.000 m134377		12.0000	PLOU01		\$234.45	0.0000	0	
	3		M6061T6B2.000X01. f		3/4/2016	3/2/2016	12.0000	\$4.99	0.0000	0	\$59.86
	No		250 6061-T6 Bar 2.00 x f 1.25 m134377		12.0000	PLOU01		\$59.86	0.0000	0	
	4		M6061T6B0.750X08. f		3/4/2016	3/2/2016	12.0000	\$11.78	0.0000	0	\$141.33
	No		000 6061-T6 BAR .750" f X 8.00" m134377		12.0000	PLOU01		\$141.33	0.0000	0	
	5		M6061T6B0.750X06. f		3/4/2016	3/2/2016	12.0000	\$8.73	0.0000	0	\$104.75
	No		000 6061T6 BAR .750 X f 6.00 m134377		12.0000	PLOU01		\$104.75	0.0000	0	
	6		M6061T6B0.750X01. f		3/4/2016	3/2/2016	12.0000	\$2.77	0.0000	0	\$33.26
	No		500 6061-T6 Bar .750 X f 1.50 m134377		12.0000	PLOU01		\$33.26	0.0000	0	
	7		M304R1-000 f		3/4/2016	3/2/2016	12.0000	\$3.94	0.0000	0	\$47.30
	No		304 round bar 1.00 f m134377		12.0000	PLOU01		\$47.30	0.0000	0	

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MIRB Qty/ MIRB Reject Qty	Book Amt
<b>Vendor ID \ Vendor Name</b>											
PO31522	8		VC-COP001	Thyssenkrupp Materials CA Ltd	3/4/2016	3/2/2016	1.0000	\$173.67	0.0000	0	\$173.67
CAD	No		71550-15	Each	1.0000	PLOU01		\$173.67	0.0000	0	
			6061T6 BAR 2"								
			7.500" X 40" LONG								
			m134377								
	9		71401-45		3/4/2016	3/2/2016	1.0000	\$0.00	0.0000	0	\$0.00
	No		PROCUREMENT		1.0000	PLOU01		\$0.00	0.0000	0	
			QUALITY CLAUSES								
			m134377								
<b>Total Received Quantity:</b>											
<b>Total Qty to Inspect (PO U/M):</b>											
<b>Total Reject Quantity:</b>											
<b>Total Receipt Value:</b>											
<b>Total Balance Due Quantity:</b>											
170.0000											
0.0000											
0.0000											
\$1,001.16											
0.0000											

# BILL OF LADING

Ship From:  
THYSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 905-738-9033

No: PEC 979653  
Ship Date 01 Mar 16 at 10:33 From PFW  
Probill  
Via VIM DELIVERY  
FOB CONCORD  
Frt PREPAID  
Route 0- 0 Manifest  
Vhcle Trailer  
Slp 6 STAN IVERS (905-532-1350)  
Sold To: ( 20115)  
DART AEROSPACE  
1270 ABERDEEN ST  
HAWKESBURY, ON K6A 1K7

Ship To: ( 1)  
DART AEROSPACE  
1270 ABERDEEN ST  
HAWKESBURY, ON K6A 1K7  
Tel: 613-632-9577 Fax: 613-632-1053

## BILL OF LADING

1) Our Order PEC-901638- 1 Your PO # 31522

ALUMINUM SHEET 6061 T6  
.0640 Nom X 48.0000" X 144.0000"

Heat Number Tag No  
Z1507Y6106 507062

Quantity PCS Wt LBS  
96.00 SFT 2 84

2) Our Order PEC-901638- 2 Your PO # 31522

ALUMINUM FLAT BAR 6061-T6511  
2.00" x 5.00" X 144.0000"

Heat Number Tag No  
106741 8 1-A-1 506983

Quantity PCS Wt LBS  
12 FT 1 143

3) Our Order PEC-901638- 3 Your PO # 31522

ALUMINUM FLAT BAR 6061-T6511  
1.250" x 2.00" X 144.0000"

Heat Number Tag No  
189796-1 506984

Quantity PCS Wt LBS  
12 FT 1 36

4) Our Order PEC-901638- 4 Your PO # 31522

ALUMINUM FLT BAR ECONOPLT 6061-T6511  
.750" X 8.00" X 144.0000"

Heat Number Tag No  
Z00102116 506985

Quantity PCS Wt LBS  
12 FT 1 85

5) Our Order PEC-901638- 5 Your PO # 31522

ALUMINUM FLAT BAR 6061-T6511  
.750" x 6.00" X 144.0000"

Heat Number Tag No  
106244-11-1-B-1 506986

Quantity PCS Wt LBS  
12 FT 1 65

Page: 1 ....Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

TVQ/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001

Ship From:  
THYSSENKRUPP MATERIALS NA  
2821 LANGSTAFF ROAD  
CONCORD, ONTARIO L4K 5C6  
Tel: 905 669 9444 Fax: 905-738-9033

Ship To: ( 1 )  
DART AEROSPACE

B I L L O F L A D I N G

No: PEC 979653  
Ship Date 01Mar16 at 10:33 From PFW  
Probill  
Via VIM DELIVERY  
FOB CONCORD  
Frt PREPAID  
Route 0- 0 Manifest  
Vhcle Trailer  
Slp STAN IVERS (905-532-1350)  
Sold To: ( 20115 )  
DART AEROSPACE

B I L L O F L A D I N G

6) Our Order PEC-901638- 6 Your PO # 31522

ALUMINUM FLAT BAR 6061-T6511  
750" X 1.50" X 144.0000"

Heat Number  
Z00256082

Tag No  
506987

Quantity 12 FT PCS 1

Wt LBS  
16

MTR

7) Our Order PEC-901638- 7 Your PO # 31522

STAINLESS STEEL ROUND BAR 304L  
1.00" DIA X 144.0000"

Heat Number  
X7R2

Tag No  
506988

Quantity 12 FT PCS 1

Wt LBS  
32

MTR

8) Our Order PEC-901638- 8 Your PO # 31522

ALUMINUM PLATE 6061-T651  
2.00" THICK X 7.5000" X 40.0000"

Heat Number  
70140900

Tag No  
506944

Quantity 2.08 SFT PCS 1

Wt LBS  
59

MTR

TOTAL: Tags 8 PCS 9 LBS 520

Heat Number

106244-11-1-B-1  
106741 8 1-A-1  
189796-1  
70140900  
X7R2  
Z00102116  
Z00256082  
Z1507Y6106

\*\*\* Chemical Analysis \*\*\*

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT  
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR

Page: 2 ....Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

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 CONCORD, ONTARIO L4K 5C6  
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 Probill  
 Via VIM DELIVERY  
 FOB CONCORD  
 Frt PREPAID  
 Route 0- 0 Manifest  
 Vhcle Trailer  
 Slp STAN IVERS (905-532-1350)  
 Sold To: ( 20115)  
 DART AEROSPACE

Ship To: ( 1)  
 DART AEROSPACE

## BILL OF LADING

TO SHIPPING.

ATTN: CHANTAL/LINDA

\*\* ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER \*\*  
 \*\* REFERENCED ON IT \*\*

TOTAL 1 SKID, 2 BDLS GW. 686 LBS

\*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS/NA  
 CONCORD, ONT.\* \*\*\* 9:00 AM TO 4:00 PM \*\*\*

\*\*\*\* TEL. 800-926-2600 \*\*\*\*

\*\*\*\*\*

\* WE STOCK STAINLESS STEEL \*

\* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT \*

\*\*\*\*\*

\*\*\*PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE  
 ADDED TO EVERY ORDER.\*\*\*

Page: 3 .... Last

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE  
 RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.  
 MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.



# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM SHEET 6061 T6  
".0640 Nom X 48.0000" X 144.0000"  
PART NO.

PO/Rel 31522

We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PEC-979653-001

1Mar16

Signed by: 

Pg 1/2

**ZHENGZHOU MINGTAI INDUSTRY CO., LTD**  
CHANGCHUN ROAD NO.6, HIGH AND NEW TECHNOLOGY ZONE,  
ZHENGZHOU HENAN CHINA  
TEL:+86-371-67898715 FAX:86-371-67898612

### MILL TEST CERTIFICATE

BUYER: OLBERT METAL SALES LIMITED  
989 DERRY RD. EAST, SUITE 305 MISSISSAUGA,  
ONTARIO CANADA L6T 2J8

INVOICE NO.: ZOTO150901

CONTRACT NO: 2049

LOADING PORT: QINGDAO, CHINA

DESTINATION: TORONTO

SHIPPING MARKS: N/M

DATE: SEP. 2 2015

#### DESCRIPTION OF GOODS:

ALUMINUM SHEET 6061/T651 AND 6061/T6 TO ASTM B209-14, AMS 4027N,  
ASTM B92B, ANSI H35.2-2013, ASME SB208 and AMS-QQ-A-250/11  
REF:2049 CIF

DAS

14

9-30

16/03/02

#### CHEMICAL COMPOSITION

Heat No.	Alloy Temper	Si	Fe	Cu	Mn	Mg	Zn	Ti	Cr	Others	Al
Z-1503Y8047	6061/T6	0.593	0.319	0.276	0.021	1.047	0.002	0.022	0.218	0.15	REMAINDER
Z-1507Y8106	6061/T6	0.61	0.375	0.268	0.072	1.035	0.005	0.023	0.187	0.15	REMAINDER
Z-1507Y8106	6061/T6	0.61	0.375	0.266	0.072	1.035	0.005	0.023	0.187	0.15	REMAINDER
Z-1507Y8106	6061/T6	0.61	0.375	0.268	0.072	1.035	0.005	0.023	0.187	0.15	REMAINDER
Z-1507Y8109	6061/T6	0.599	0.351	0.244	0.035	1.023	0.007	0.025	0.187	0.15	REMAINDER
Z-1507Y8109	6061/T6	0.599	0.351	0.244	0.035	1.023	0.007	0.025	0.187	0.15	REMAINDER
Z-1507Y8109	6061/T6	0.599	0.351	0.244	0.035	1.023	0.007	0.025	0.187	0.15	REMAINDER
ZB-1508Y8032	6061/T6	0.649	0.357	0.237	0.034	1.098	0.005	0.02	0.197	0.15	REMAINDER
ZB-1508Y8078	6061/T6	0.588	0.374	0.238	0.036	1.071	0.007	0.025	0.188	0.15	REMAINDER
ZB-1508Y8078	6061/T6	0.586	0.374	0.238	0.036	1.071	0.007	0.025	0.188	0.15	REMAINDER
ZB-1507Y8137	6061/T651	0.623	0.367	0.239	0.032	1.036	0.006	0.024	0.185	0.15	REMAINDER
ZB-1507Y8137	6061/T651	0.623	0.367	0.239	0.032	1.036	0.006	0.024	0.185	0.15	REMAINDER
ZB-1508Y8109	6061/T651	0.637	0.359	0.245	0.041	1.017	0.004	0.024	0.181	0.15	REMAINDER
ZB-1508Y8927	6061/T651	0.647	0.345	0.251	0.039	1.088	0.006	0.025	0.182	0.15	REMAINDER
ZB-1508Y8929	6061/T651	0.627	0.362	0.264	0.036	1.078	0.006	0.025	0.2	0.15	REMAINDER
ZB-1508Y8930	6061/T651	0.632	0.371	0.273	0.045	1.115	0.007	0.022	0.187	0.15	REMAINDER

#### MECHANICAL PROPERTY

Heat No.	Alloy Temper	Specs(in)	Tensile strength (Mpa/ ksi)		Yield Strength(Mpa/ ksi)		Elongation %
Z-1503Y8047	6061/T6	.063*48*144	332	48	316	46	11
Z-1507Y8106	6061/T6	.063*48*96	350	51	337	49	13
Z-1507Y8106	6061/T6	.063*48*120	350	51	337	49	13
Z-1507Y8106	6061/T6	.063*48*144	350	51	337	49	13
Z-1507Y8109	6061/T6	.125*48*96	339	49	315	46	15
Z-1507Y8109	6061/T6	.125*48*120	339	49	315	46	15
Z-1507Y8109	6061/T6	.125*48*144	339	49	315	46	15
ZB-1506Y8032	6061/T6	.188*48*144	369	54	330	48	11
ZB-1508Y8078	6061/T6	.188*48*96	332	48	302	44	14
ZB-1508Y8078	6061/T6	.188*48*120	332	48	302	44	14
ZB-1507Y8137	6061/T651	.250*48.5*98.5	340	49	318	46	15
ZB-1507Y8137	6061/T651	.250*48.5*144.5	340	49	318	46	15
ZB-1508Y8109	6061/T651	1.5*48.5*144.5	295	43	262	38	21
ZB-1508Y8927	6061/T651	2.0*48.5*144.5	293	42	257	37	20

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM SHEET 6061 T6

.0640 Nom X 48.0000" X 144.0000"

PART NO.

PO/Rel 31522

We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PEC-979653-001

1Mar16

Signed by: 

Pg 2/2

ZB-1508Y6929	6061/T651	2.5*80.5*144.5	294	43	258	37	22
ZB-1508Y6930	6061/T651	3.0*80.5*144.5	292	42	255	37	20

PRODUCER: ZHENGZHOU MINGTAI INDUSTRY CO., LTD

ZHENGZHOU MINGTAI INDUSTRY CO., LTD.  
郑州明泰实业有限公司

代

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLT BAR ECONOPLT 6061-T6511  
.750" X 8.00" X 144.0000"  
PART NO.

PO/Rel 31522

We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PEC-979653-004

1Mar16

Signed by: 

Pg 1/1

**KAISER**  
**ALUMINUM**  
**FABRICATED PRODUCTS**

*Best in Class*

### CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM  
FABRICATED PRODUCTS, LLC  
5205 KAISER DRIVE  
KALAMAZOO, MI 49048

CUSTOMER PO NUMBER: PEC-272719-1		CUSTOMER PART NUMBER: W66/STK		PRODUCT DESCRIPTION: .750 X 8.000 PRECISION WIDE BAR	
KAISER ORDER NUMBER: 6001719	LINE ITEM: 001	SHIP DATE: 01/21/2016	KAISER LOT NUMBER: Z00102116	ALLOY: 6061	TEMPER: T6511
WEIGHT SHIPPED: 2032.000 LB	QUANTITY: 24.000 PCS	B/L NUMBER: 614543	DIAM/DA/THICKNS: 	WIDTH: 	LENGTH: 12.000 FT
SHIP TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA			SOLD TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA		

14 16/03/02  
9-39

### Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
Z0C102116	0001	C001	43.0	38.7	14.1	RE 92	N/A	N/A
Z00102116	0002	C001	42.1	37.8	11.3	RE 91	N/A	N/A

### Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
105756	.61	.27	.18	.07	.88	.07	.05	.02	.00	.00	.00	.01	.04

### Applicable Requirements:

ASTM-B221-14 STENCILED ASME-SB221 1998 SECT II AMS-QQ-A-200/8A UNS#A96061 (T6511 also conforms to T6-not applicable to other tempers)

### Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA

MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY OF ITS COMPOUNDS ARE UTILITIZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

### CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Aimee L. Macnowski, Quality & Technology Manager

*Aimee L. Macnowski*

Plant Serial: 00213001

Kaiser Order Number: 6001719

Line Item: 001



# THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511  
.750" X 1.50" X 144.0000"  
PART NO.

PO/Rel 31522

We certify that this is a true copy of the report  
furnished by the producer of the metal, or data  
resulting from tests made in approved labs.

## Certificate of Mill Test Results

BL PEC-979653-006

1Mar16

Signed by: *[Signature]*

Pg 1/1

**KAISER**  
**ALUMINUM**  
**FABRICATED PRODUCTS**

KAISER ALUMINUM  
FABRICATED PRODUCTS, LLC  
5205 KAISER DRIVE  
KALAMAZOO, MI 49048

*Best in Class*

### CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

CUSTOMER PO NUMBER: PEC-270840-3		CUSTOMER PART NUMBER: 376/STK		PRODUCT DESCRIPTION: 750 X 1.500 SC RECT BAR	
KAISER ORDER NUMBER: 696665	LINE ITEM: 003	SHIP DATE: 10/27/2015	KAISER LOT NUMBER: Z00256082	ALLOY: 6061	TEMPER: T6511
WEIGHT SHIPPED: 1016.000 LB	QUANTITY: 64.000 PCS	B/L NUMBER: 613668	DIAMETER/THICKNESS: 	WIDTH: 	LENGTH: 12.000 FT
SHIP TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA			SOLD TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA		

### Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
Z00256082	0001	0001	47.2	42.7	18.2	RE 92	N/A	N/A
Z00256082	0001	0002	46.9	42.2	20.7	RE 92	N/A	N/A
Z00256082	0001	0003	43.1	38.1	18.1	RE 90	N/A	N/A
Z00256082	0001	0004	43.2	38.2	17.8	RE 90	N/A	N/A

### Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
105302	.59	.27	.20	.08	.85	.07	.07	.02	.00	.00	.00	.01	.03

### Applicable Requirements:

ASTM-B221-14 STENCILED ASME-SB221 1998 SECT I AMS-QQ-A-200/8A UNS#A96061 (T6511 also conforms to T6-not applicable to other tempers)

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Aimee L. Macnowski, Quality & Technology Manager

*Aimee L. Macnowski*

Plant Serial: 00200307

Kaiser Order Number: 696665

Line Item: 003

# THYSSENKRUPP MATERIALS NA

**DART AEROSPACE**  
STAINLESS STEEL ROUND BAR 304L  
1.00" DIA X 144.0000"  
PART NO

PO/Rel 31522

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

BL PEC-979653-007

1 Mar 16  
Pg 1/1

## Certificate of Mill Test Results



740 Imperial Road North

Certificate: 137381 12

Customer: 007206 001

Mail To:  
THYSSENKRUPP MATERIALS  
2821 LANGSTAFF ROAD  
CONCORD, ON L4K5C6

### METALLURGICAL TEST REPORT

North American Stainless Canada Inc.  
740 Imperial Road North  
Guelph, ON N1K1Z3  
Canada

Date: 1/29/2016 Page: 1

Steel: 304/304L

Finish: CD

Corrosion: ASTM A262-10 Pract A/E OK  
Red Ratio: 69.4 : 1

#### PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw  
UNS 30400/30403 EN 10204 3.1, ASTM A484/13A  
ASTM A276/13, ASTM A479/13A, ASTM A182/13 CHEM ONLY,  
ASME SA182/13, ASME SA182/10 CHEM ONLY  
AMS 5639H, AMS 5647J, AMS Q08-763C, Q08-763F, ASTM F899/11  
SOLUTION ANNEAL TEMP 1900F MIN, ASTM A320/08 CL 1 GR B8  
ASTM A193/10A-ASME SA193/10 CL 1 GR B8

#### REMARKS:

COMPLIES W/REQUIREMENTS OF DPMR 252.225-7009 ED DIRECTIVE  
2011/65/EU, ROHS, EAF+AD+CC. NO WELD REPAIR. MELTED AND MFG  
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

DAS  
14 16/03/02  
9.09

Product Id	Skld #	Diameter	Size	Weight	-----Length-----	Mark	Places	Commodity Code
BH7144 7		1.0000		1.333	144.00	13	1	

#### CHEMICAL ANALYSIS

CM(Country of Melt)

ES(Spain)

US(United States) ZA(South Africa) JP(Japan)

Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323  
Chemical Analysis per ASTM A751/08

HEAT	CM	C %	CO %	CR %	CU %	FE %	MO %	N %	NI %	P %
XR2	US	.0248	.1725	18.0785	.4030	1.3305	.3035	.0779	8.5295	.0320

S %	SI %
.0260	.2995

#### MECHANICAL PROPERTIES

Product Id	1 d o l c r	HB No.	.2YS KSI	UTB KSI	RA %	ELong % 4D
BH7144 7	R L	220.0	79.35	103.96	68.89	42.93

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical  
Dept. Mgr.

KRIS LARK

1/29/2016

## Certificate of Mill Test Results

**DART AEROSPACE**

ALUMINUM PLATE 6061-T651  
2.00" THICK X 7.5000" X 40.0000"  
PART NO.

PO/Rel 31522

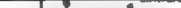
We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

BL PEC-979653-008

1Mar16

Signed by:

Pg 1/1

MILL TEST CERTIFICATE	No: 35175	CERTIFIED BRACONIA	
	Date: 12/15/2015	ISO 9001:2008 No.104 and 2017	
			SLATHA

**CUSTOMER : OLBERT METAL SALES LIMITED**

CONTRACT/ORDER : 2073  
BILL OF DELIVERY : 80266178  
TRUCK/CONTAINER : MSCU 5004094

MATERIAL	:	ALUMINUM PLATES	
ALLOY	:	6061	TEMPER: T651
DIMENSIONS (mm)	:	70140900	- . 2"THX48.5"WDX96.5"LT
	:	70140901	- . 2"THX48.8"WDX144.5"LT

ACCORDING TO : ASTM B209; AMS 4027N; ANSI H35.2; ASME SB209; AMS-QQ-A-250/11

ACTUAL MECHANICAL PROPERTIES													1 MPa = 1 N/mm2 = 0.145 ksi = 0.102 kgf/mm2	
1 lbs = 0.4536 kg					UTS		YTS		Elong. %	Hardness				
					KSI		KSI		50mm	HB				
Specified values:					min.	max.	min.	max.	min.	min.				
					42		35		8					
LOT / BATCH		CASE		NET WEIGHT lbs		Measured values:								
70140900		425911;425913		4,700.250		48.3	44.2	11.5						
S35111093						48.3	44.1	10.5						
70140901		425835;425837		5,608.564		48.3	44.3	10						
S35111093						48.3	44.5	10						

ACTUAL CHEMICAL ANALYSIS %													
BATCH	SI	Fe	Cu	Mn	Mg	Cr	NI	Zn	TI	Ga	V	Al	
S35111093	0.67	0.5	0.34	0.15	1	0.18	0.011	0.087	0.014	0.009	0.021	REM.	
S35111083	0.67	0.5	0.34	0.15	1	0.18	0.011	0.087	0.014	0.009	0.021	REM.	

Acc. Standard	Min.	0.4		0.15		0.8	0.04						REM.
	Max.	0.8	0.7	0.4	0.15	1.2	0.35	0.05	0.25	0.15	0.05	0.05	
	Remarks:						Other-Each-Max.: 0.05		Others Total-Max.: 0.15				

## REMARKS

ACCORDING TO: ASTM B209-2014; AMS 4027N-2000; ANSI H35.2-2013; ASME B8209-2007; AMS-QQ-A-250/11-1997

\* Typical value, for information only.

We hereby certify that the material detailed herein has been produced and tested according to the requirements of the relevant specification and/or order. Keep in dry conditions, without large temperature variations. The differences between metal and air must not exceed 11 °C. Please follow the recommendations of the Aluminum Association Guide for minimizing water staining, latest edition, for the unloading and storage of the material in your premises before usage. Also we certify that ALRO products comply with REACH legislation no. 1907/2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals and CLP legislation no. 1272/2008 on classification, labeling and packaging of substances and mixtures.

According to EN 10204:2004 1.1

**Bogdan Sercoasta, Eng.**  
**B.C. ALRO S.A. LATINA**  
 Punct de lucru  
 Str. Milcov 101  
 Sect. 6, Bucuresti  
 Al. Fishuagiu

ALRO S.A. No.116, Păulești Street Phone: +(40) 0249 435 117; 0249 432 928 alro@alro.ro  
230048-Sibiu- ROMANIA Fax: (40) 0249 411 467; 0249 415 892 www.alro.ro

QUALITY CONTROL DEPT.

ood f1/PO-051/Rev. 4/2012

# THYSSENKRUPP MATERIALS NA

**DART AEROSPACE**

ALUMINUM FLAT BAR 6061-T6511  
2.00" x 5.00" x 144.0000"  
PART NO.

PO/Rel 31522

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

BL PEC-979653-002

1 Mar16  
Pg 1/1

## Certificate of Mill Test Results

### CERTIFIED INSPECTION REPORT FOR EXTRUDED PRODUCTS



**Nanshan America**  
Advanced Aluminum Technologies  
3600 US Hwy 52 South  
Lafayette, Indiana 47909  
Main Office: (765) 269-4360

BILL TO	10038 - B01-ThyssenKrupp Materials NA, Toro		MANIFEST NUMBER	13927	DIE NUMBER	1409	DATE OF SHIPMENT	1/15/2016
SHIP TO	10038 - B01-ThyssenKrupp Materials NA, Toro		CUSTOMER PO	PEC-271852	ALLOY	6061	TEMPER	T6511
CUSTOMER PART NUMBER	MANSHAN PART NUMBER		40-00804	DESCRIPTION				
				Flat Bar 2.000" X 5.000", Stenciled				

OUR ORDER NUMBER	ITEM
106741	8

Applicable Requirements:  
ASTM B221-14 AMS-QQ-A-200/8 Rev  
A (2012-09) ASME SB221 - 1998 Sect II

### Mechanical Properties

Lot	Alloy	Test No.	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness	Conductivity
106741 8 1A-1	6061	16010215	01/09/16	50.4	45.7	13%		

### Chemical Limits

Alloy	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Ga	V	B	Zr	Bi	Pb	Sn	Sr	Co	Ce	Each	Total
ALLOY 6061																					
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.15
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.05	0.25	0.15	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	

Density:

Electrical Conductivity:

Thermal Conductivity:

Alloy Constant:

### Chemical Composition

Cast Number	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Ga	V	B	Zr	Bi	Pb	Sn	Sr	Co	Ce	Al	Other
1601011	6061	0.71	0.35	0.28	0.10	0.92	0.06	0.01	0.02	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.49	0.00

**Nanshan America hereby certifies that the material covered by this report has been inspected in accordance with, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. Mercury is not a normal contaminant in aluminum alloys. All Material is ROHS Compliant. Neither mercury nor any of its compounds were utilized by Nanshan America in the manufacture of this material.**

Material complies with FAR BAA (FAR 52.225-1, Buy American Act-Supplies), DFARS BAA (DFARS 252.225-7001 Buy American Act & Bal of Payments Prod), and FAR TAA (FAR 52.225-6 Trade Agreements) Tempert T6511 meets T6 Requirements

Edward Vynarck  
Quality Manager

# THYSSENKRUPP MATERIALS NA

DART AEROSPACE  
ALUMINUM FLAT BAR 6061-T6511  
1.250" x 2.00" x 144.0000"  
PART NO.

PO/Rel 31522  
We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:



BL PEC-979653-003

1 Mar 16  
Pg 1/1

## Certificate of Mill Test Results



TEL: (416) 745-4444 FAX: (416) 745-0925 1-800-668-7210  
411 CHRISLEA ROAD, WOODBRIDGE, ONTARIO, CANADA L4L 8N4  
<http://www.extrudex.com>

### MILL TEST

BILL TO THYSSENKRUPP MATERIALS, NA	CERT CODE: 9	D/E NUMBER S 22772	DATE OF SHIPMENT Feb/18/2016	EXTRUDEX ORDER NO. 189796 - 1	MANIFEST NO. 343614
SHIP TO THYSSENKRUPP MATERIALS, NA	CUSTOMER PO PEC-272764	ALLOY 6061	TEMPER T6511	SALESMAN FORBES DODWELL	
SO DESCRIPTION 1.25"x2" FB	CUSTOMER PART NUMBER 22772-S	SO DESCRIPTION 1.25"x2" FB			
				MADE IN CANADA	
				CERTIFICATION ASTM B221-14 - AMS OQA 200/8	

### Mechanical Properties

Lot	Alloy	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness Rockwell F	Conductivity
A.12	6061	Feb/11/2016	41.30	38.70	15.30	88.8, 89.4, 89.2	

### Chemical Composition

Cast Number	Lot	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Ca	Y	B	Zr	Bi	Pb	Sn	Sr	Co	Al	Other
16012541B	A.12	6061	0.56	0.17	0.21	0.01	0.8	0.08		0.01	0.01											Remainder

DAS  
14  
900 16/03/02

We certify that the following extrusions have been quality inspected/tested and conforms to required dimensional and temper specifications.



David Natale  
Quality Control Manager

1 - CUSTOMER COPY

# THYSSENKRUPP MATERIALS NA

ALUMINUM FLAT BAR 6061-T6511  
750" x 6.00" x 144.0000"  
PART NO

PO/REL 31522

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

BL PEC-979653-005

1 Mar 16  
Pg 1/1



**Nanshan America**  
Advanced Aluminum Technologies  
3600 US Hwy 52 South  
Lafayette, Indiana 47909  
Main Office: (765) 269-4360

## CERTIFIED INSPECTION REPORT FOR EXTRUDED PRODUCTS

BILL TO 10038 - B01-ThyssenKrupp Materials NA, Toro	MANIFEST NUMBER 12644	DIE NUMBER 1438	DATE OF SHIPMENT 11/18/2015
SHIP TO 10038 - B01-ThyssenKrupp Materials NA, Toro	CUSTOMER PO PEC-270861	ALLOY 6061	TEMPER T6511
CUSTOMER PART NUMBER	NANSCHAN PART NUMBER 40-00729	SALESMAN Scott Rarick	
DESCRIPTION Flat Bar .750" X 6.000" Stenciled			

Applicable Requirements:  
ASTM B221-14 AMS-QQ-A-200/8  
(2012-05) T6511 also conforms to T6  
ASME SB221 - 1998 sect II

OUR ORDER NUMBER 106244	ITEM 11
----------------------------	------------

Melted in USA  
Manufactured in USA

DAS  
14  
9.9 16/03/02

### Mechanical Properties

Lot	Alloy	Test No.	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness	Conductivity
106244 11 1A-1	6061	15110399	11/12/15	48.5	44.5	14%		
106244 11 1B-1	6061	15110521	11/15/15	50.8	45.7	17%		

### Chemical Limits

Alloy	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Ga	V	B	Zr	Bi	Pb	Sn	Sr	Ca	Each	Total
ALLOY 6061																				
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Maximum	0.30	0.70	0.40	0.15	1.20	0.35	0.05	0.25	0.15	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.15
Density:																				
Electrical Conductivity:																				
Thermal Conductivity:																				
Alloy Constant																				

### Chemical Composition

Cast Number	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Ga	V	B	Zr	Bi	Pb	Sn	Sr	Ca	Al	Other
1511012	6061	0.65	0.23	0.23	0.02	0.89	0.07	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01					97.86	
1511027	6061	0.71	0.29	0.29	0.07	0.94	0.07	0.01	0.02	0.02	0.01	0.01	0.01	0.01	0.01					97.56	

Nanshan America hereby certifies that the material covered by this report has been inspected in accordance with, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. Mercury is not a normal contaminant in aluminum alloys. All Material is ROHS Compliant. Neither mercury nor any of its compounds were utilized by Nanshan America in the manufacture of this material. Material complies with FAR BAA (FAR 52.225-1, Buy American Act-Supplies), DFARS BAA (DFARS 252.225-7001 Buy American Act & Bal of Payments Pro), and FAR TAA (FAR 52.225-6 Trade Agreements) Temper T6511 meets T6 Requirements

Edward Wimarck  
Quality Manager



# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061 T6 S.063  
 DATE: 16/03/02

PO / BATCH NO 31522/134377

MATERIAL CERT REC'D yes  
 QUANTITY RECEIVED 96 st  
 QUANTITY INSPECTED 96 st  
 QUANTITY REJECTED \_\_\_\_\_

THICKNESS ORDERED .063"  
 THICKNESS RECEIVED .061"  
 SHEET SIZE ORDERED 4' X 12'  
 SHEET SIZE RECEIVED 4' X 12'

DESCRIPTION	NCR (Check Y,N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	N	
CORRECT THICKNESS	<input checked="" type="radio"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK RECORD RESULTS BELOW				
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D

*testers located in the Quality Office*

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>14</u>	SIGNED OFF BY: _____		
DATE: <u>16/03/02</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL Alclad 7075  
DATE 16/03/02

PO / BATCH NO 31522/134377

MATERIAL CERT REC'D yes  
QUANTITY RECEIVED 12'  
QUANTITY INSPECTED 12'  
QUANTITY REJECTED \_\_\_\_\_

THICKNESS ORDERED 2.00X5.00  
THICKNESS RECEIVED 2.00X5.00  
SHEET SIZE ORDERED \_\_\_\_\_  
SHEET SIZE RECEIVED \_\_\_\_\_

DESCRIPTION	NCR (Check Y-N)		COMMENTS
SURFACE DAMAGE	Y	(N)	
CORRECT FINISH	(Y)	N	
CORROSION	Y	(N)	
CORRECT GRAIN DIRECTION	(Y)	N	
CORRECT MATERIAL	(Y)	N	
CORRECT THICKNESS	(Y)	N	
PHOTO REQUIRED	Y	(N)	
CORRECT MATERIAL	(Y)	N	
CORRECT REF # TO LINK CERT	(Y)	N	
CORRECT MATERIAL IDENTIFICATION	(Y)	N	
CORRECT M# ON THE MATERIAL	(Y)	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(N)	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW				
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D

*testers located in the Quality Office*

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY <u>DAS</u>	<u>14</u>	SIGNED OFF BY _____	
DATE <u>16/03/02</u>	<u>9-09</u>	DATE _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M606IT6  
 DATE: 16/03/02

PO / BATCH NO 31522/134377

MATERIAL CERT REC'D yes  
 QUANTITY RECEIVED 12  
 QUANTITY INSPECTED 12  
 QUANTITY REJECTED \_\_\_\_\_

THICKNESS ORDERED 2.00X1.25  
 THICKNESS RECEIVED 2.00X1.25  
 SHEET SIZE ORDERED \_\_\_\_\_  
 SHEET SIZE RECEIVED \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL	(Y) N	
CORRECT THICKNESS	(Y) N	
PHOTO REQUIRED	Y (N)	
CORRECT MATERIAL	(Y) N	
CORRECT REF # TO LINK CERT	(Y) N	
CORRECT MATERIAL IDENTIFICATION	(Y) N	
CORRECT M# ON THE MATERIAL	(Y) N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW				
	HRC	HRB	DUR A	DUR D
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

*testers located in the Quality Office*

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>14</u> DATE: <u>16/03/02</u>	SIGNED OFF BY: _____ DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL M606TC  
DATE 16/03/02

PO / BATCH NO 31522/134377

MATERIAL CERT REC'D yes  
QUANTITY RECEIVED 12'  
QUANTITY INSPECTED 12'  
QUANTITY REJECTED \_\_\_\_\_

THICKNESS ORDERED .750X8.00  
THICKNESS RECEIVED .750X8.00  
SHEET SIZE ORDERED \_\_\_\_\_  
SHEET SIZE RECEIVED \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORROSION	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT THICKNESS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
PHOTO REQUIRED	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK RECORD RESULTS BELOW				
	HRC	HRB	DUR A	DUR D
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

*testers located in the Quality Office*

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY <u>14</u>	SIGNED OFF BY _____		
DATE <u>16/03/02</u>	DATE _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M606IT6  
DATE: 16/03/02

PO / BATCH NO 31522/134377

MATERIAL CERT REC'D yes  
QUANTITY RECEIVED 12'  
QUANTITY INSPECTED 12'  
QUANTITY REJECTED \_\_\_\_\_

THICKNESS ORDERED .750X6.00  
THICKNESS RECEIVED .750X6.00  
SHEET SIZE ORDERED \_\_\_\_\_  
SHEET SIZE RECEIVED \_\_\_\_\_

DESCRIPTION	NCR (Check Y-N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL	(Y) N	
CORRECT THICKNESS	(Y) N	
PHOTO REQUIRED	Y (N)	
CORRECT MATERIAL	(Y) N	
CORRECT REF # TO LINK CERT	(Y) N	
CORRECT MATERIAL IDENTIFICATION	(Y) N	
CORRECT M# ON THE MATERIAL	(Y) N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW				
	HRC	HRB	DUR A	DUR D
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

*testers located in the Quality Office*

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY <u>14</u>	SIGNED OFF BY _____		
DATE: <u>16/03/02</u>	DATE _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL M606ITL  
DATE 16/03/02

PO / BATCH NO 31522/134377

MATERIAL CERT REC'D yes  
QUANTITY RECEIVED 12'  
QUANTITY INSPECTED 12'  
QUANTITY REJECTED \_\_\_\_\_

THICKNESS ORDERED .750X 1.50  
THICKNESS RECEIVED .750X 1.50  
SHEET SIZE ORDERED \_\_\_\_\_  
SHEET SIZE RECEIVED \_\_\_\_\_

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	N	
CORRECT THICKNESS	<input checked="" type="radio"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y	N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

*testers located in the Quality Office*

<b>QC 18 INSPECTION</b>		<b>ENGINEERING SIGNOFF (if required)</b>	
INSPECTED BY _____	<u>14</u> <u>9-39</u>	SIGNED OFF BY _____	
DATE <u>16/03/02</u>		DATE _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304  
DATE: 16/03/02

PO / BATCH NO 31522/134377

MATERIAL CERT REC'D yes  
QUANTITY RECEIVED 12'  
QUANTITY INSPECTED 12'  
QUANTITY REJECTED \_\_\_\_\_

THICKNESS ORDERED R 1.00  
THICKNESS RECEIVED R 1.00  
SHEET SIZE ORDERED \_\_\_\_\_  
SHEET SIZE RECEIVED \_\_\_\_\_

DESCRIPTION	NCR (Check Y-N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	Y (N)	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	Y (N)	
CORRECT MATERIAL	Y (N)	
CORRECT THICKNESS	Y (N)	
PHOTO REQUIRED	Y (N)	
CORRECT MATERIAL	Y (N)	
CORRECT REF # TO LINK CERT	Y (N)	
CORRECT MATERIAL IDENTIFICATION	Y (N)	
CORRECT M# ON THE MATERIAL	Y (N)	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK RECORD RESULTS BELOW				
	HRC	HRB	DUR A	DUR D
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

*testers located in the Quality Office*

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY	<u>DAS</u> <u>14</u> <u>933</u>	SIGNED OFF BY	_____
DATE	<u>16/03/02</u>	DATE	_____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO31522**

Purchase Order Date 2/26/2016

PO Print Date 2/26/2016

Page Number 1 of 4

**Order From :** VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

**Ship To :** DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**E-MAILED**

**Contact Name**  
**Vendor Phone** 905 669 9444

**Ship To Contact**  
**Ship To Phone**  
**Ship Via:** VENDOR'S TRUCK  
**Ship Acct:**

**Buyer** Chantal Lavoie  
**Customer POID**  
**Customer Tax #** 10127-2607  
**Terms** Net 30  
**Currency** CAD  
**FOB** FCA - (Free Carrier)

**FEB 26 2016**

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M6061T6S.063	6061-T6 .063 Sheet	3/4/2016 Yes 3/4/2016		96.00 sf	\$2.91	\$279.50
Line Total:							\$279.50
2	M6061T6B2.000X05.000	6061T6 Bar 2.00 x 5.000	3/4/2016 Yes 3/4/2016		12.00 f	\$26.44	\$317.25
Line Total:							\$317.25
3	M6061T6B2.000X01.250	6061-T6 Bar 2.00 x 1.25	3/4/2016 Yes 3/4/2016		12.00 f	\$6.75	\$81.00

**PO Instructions:** QUOTE # PEC ST-900427,PEC ST-900586

**Note:**

2/26/2016



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO31522**

Purchase Order Date 2/26/2016

PO Print Date 2/26/2016

Page Number 2 of 4

Order From : VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Contact Name  
Vendor Phone 905 669 9444  
  
Ship To Contact  
Ship To Phone  
Ship Via: VENDOR'S TRUCK  
Ship Acct:

Buyer Chantal Lavoie  
Customer POID  
Customer Tax # 10127-2607  
Terms Net 30  
Currency CAD  
FOB FCA - (Free Carrier)

				Line Total:	\$81.00
4	M6061T6B0.750X08.000	6061-T6 BAR .750" X 8.00"	3/4/2016 Yes 3/4/2016	12.00 f	\$15.94 \$191.25
				Line Total:	\$191.25
5	M6061T6B0.750X06.000	6061T6 BAR .750 X 6.00	3/4/2016 Yes 3/4/2016	12.00 f	\$11.81 \$141.75
				Line Total:	\$141.75
6	M6061T6B0.750X01.500	6061-T6 Bar .750 X 1.50	3/4/2016 Yes 3/4/2016	12.00 f	\$3.75 \$45.00
				Line Total:	\$45.00

PO Instructions: QUOTE # PEC ST-900427,PEC ST-900586

Note:

2/26/2016



Dart Aerospace Ltd.  
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Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO31522**

Purchase Order Date 2/26/2016

PO Print Date 2/26/2016

Page Number 3 of 4

**Order From :** VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

**Ship To :** DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone** 905 669 9444

**Ship To Contact**

**Ship To Phone**

**Ship Via:** VENDOR'S TRUCK

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #** 10127-2607

**Terms** Net 30

**Currency** CAD

**FOB** FCA - (Free Carrier)

7	M304R1.000	304 round bar 1.00	3/4/2016	12.00	\$5.33	\$64.00
			Yes	f		
			3/4/2016			

**Line Total:** \$64.00

8	71550-15	6061T6 BAR 2" 7.500" X 40 " LONG	3/4/2016	1.00	\$235.00	\$235.00
			Yes	Each		
			3/4/2016			

**Line Total:** \$235.00

**Deliver To:** REGIS

9	71401-45	PROCUREMENT QUALITY CLAUSES	3/4/2016	1.00	\$0.00	\$0.00
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Procurement Quality Clauses

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

**PO Instructions:** QUOTE # PEC ST-900427,PEC ST-900586

**Note:**

2/26/2016



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## PURCHASE ORDER

Purchase Order ID **PO31522**

Purchase Order Date 2/26/2016

PO Print Date 2/26/2016

Page Number 4 of 4

Order From : VC-COP001  
THYSSENKRUPP MATERIALS CA LTD  
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"  
TORONTO, ON M5W 5V8  
CA

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Contact Name  
Vendor Phone 905 669 9444  
  
Ship To Contact  
Ship To Phone  
Ship Via: VENDOR'S TRUCK  
Ship Acct:

Buyer Chantal Lavoie  
Customer POID  
Customer Tax # 10127-2607  
Terms Net 30  
Currency CAD  
FOB FCA - (Free Carrier)

Line Total: \$0.00

PO Total: \$1,354.75

PO Instructions: QUOTE # PEC ST-900427,PEC ST-900586

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Change Nbr: 1

Change Date: 2/26/2016